XLogic SuperAnalogue™
Console grade studio technology

The legendary quality of SSL's SuperAnalogue™ processing for studios of all sizes

XLogic. This is SSL.

Solid State Logic
SOUND || VISION

This is SSL

The secrets of the world's finest analogue processing.

Modular SuperAnalogue™ Processing

X-Rack - legendary SSL Mic Amp, EQ, Dynamics, Mix Bus and Total Recall™ technology in a modular rack

Over three decades Solid State Logic have designed and built the world's finest audio consoles. With over three thousand SSL consoles in use worldwide, the 'SSL sound' has become an integral element of the sound of countless hit recordings. With Duality, AWS 900+ SE, Matrix & C200 HD, SSL consoles continue to be leaders in the field of high-end music production. The same technology and sound of the SSL console legacy is now available to mix and match to suit your needs in X-Desk, our modular X-Rack system or individual rack strips.

SSL consoles are a blend of a few simple but crucial design elements...

Pristine Audio Foundations

Through use of our trademarked SuperAnalogue™, DC coupled circuit design implemented in modern surface mount manufacturing techniques, our rack processors enjoy an extraordinarily transparent audio path with ultra-wide and flat frequency response, extremely low distortion and an almost immeasurable noise floor. It provides a bandwidth greater than 192kHz recorders and a dynamic range well beyond that of 24-bit A-D converters. The perfect platform for first class recordings and summing outside the box on a pure analogue mix bus.

SSL Mic Amps

There are two different microphone pre amps available in the XLogic range. The SuperAnalogue™ mic amp matches the rest of the SuperAnalogue™ circuit for transparency and purity, so it will not colour the sound of your microphones. The new VHD mic amp takes the SuperAnalogue™ mic amp and adds the innovative SSL VHD circuit.

VHD Preamps

Our VHD technology is a 100% analogue circuit that adds a variable blend of 2nd or 3rd harmonic drive to your signal. At relatively low input gain settings 'VHD' preamps deliver ultra-clean recordings. Increase the input gain and adjust the VHD control and you can inject your source recordings with anything from '50s valve-style overdrive through to hard-edged '70s transistor-style grit - or any blend between the two.

The Dual EQ Curve Thing

SSL EQ has a reputation for versatility and unique tonal character. There are several flavours available within the range.

Our Duality & AWS 900+ consoles and the X-Rack Channel EQ module feature a four-band equaliser that can be switched between two different sets of curves, one based on SSL's G Series Console EQ and the other based on a version of the classic E Series Console EQ. The gentle curves of the G EQ are excellent for overall shaping of instruments and vocals while

this version of the E EQ offers relatively high Q at low gain settings and is superb for drums and more surgical work.

The 4000 E Series EQ module features the EQ characteristics of two different generations of E Series Console. It defaults to the original 'Brown' Knob circuit that was standard on all early production E Series consoles with its unique rounded character. In 1983 a new version of E EQ was developed in conjunction with the legendary George Martin. The BlackKnob EQ, as it became known, features enhanced cut and boost ranges together with a different control law as well as a steeper 18dB/octave high-pass filter for tighter control of low frequencies. The BlackKnob design which is retained today as the E Series EQ option of today's SSL consoles, the X-Rack EQ and SuperAnalogue™ Channel.

Cool Dynamics

There are four flavours of dynamics available within the XLogic SuperAnalogue™ range. Our classic Compression & Gate/Expander circuits are renowned for their transparency and versatility making them ideal for every day recording duties. The legendary Listen Mic Compressor is an extremely aggressive circuit that is awesome on drums. The E Series Dynamics Module features a Class A VCA replication which returns faithfully to the circuitry and key components which define the warm sound of the original SL 611E Series channel strip. The Stereo Bus Compressor is a simple but devastatingly effective stereo master bus compressor that instantly makes mixes sound bigger and stronger without compromising clarity.

Total Recall

SSL Total Recall is the closest thing you will get to digital console style instant mix parameter recall in an analogue recording device. Our patented system uses an LED associated with every control to guide the return of all controls to settings stored previously in a snapshot of mix parameters. It is a standard feature on X-Rack.

A to D via SSL

SSL continues to pioneer digital audio console technology. Our Analogue to Digital Converters deliver 24-bit/192kHz performance to match our pristine SuperAnalogue™ signal path.

Using identical circuit design and manufacturing to our Duality and AWS 900+ consoles, X-Rack is a modular rack system with Total Recall™ that delivers the classic SSL sound in a uniquely versatile form. Each X-Rack chassis holds up to eight modules in any configuration. You could build a stunning SuperAnalogue™ front end for your recording system, with two different flavours of mic pre (SuperAnalogue™ and VHD), EQ, transparent dynamics and a powerful master section. Or create an SSL summing mixer with an ultra-pure analogue mix buss, using two different line input modules to achieve high channel counts or combine additional sources during mixdown to the legendary Stereo Bus Compressor. X-Rack delivers the very highest quality analogue recording and summing path and is the perfect configurable solution for studio or live applications. The X-Rack chassis is a 4U 19" rack housing with internal power supply, MIDI IN/OUT connections and a Mix Bus Link port that enables two X-Racks to be cascaded.

Mynx - Modular SuperAnalogue™ processing for your desktop

Mynx is a simple and cost effective way to get the depth, clarity and characteristic sound of SSL SuperAnalogue™ processing into your recordings.

Capable of housing two X-Rack modules, Mynx can be used to create a range of recording and mixing tools designed to dramatically enhance your DAW recordings.

Combine the 'SuperAnalogue™ Mic Pre' & 'Dynamics' modules for a pristine front end recording system for vocals. Slot in the 'EQ' & 'Dynamics' modules for classic SSL channel strip processing. Use Master Bus & Line Input modules for summing and monitoring. Or fit the Stereo Bus Compressor module for legendary 'audio glue' full mix compression.

With ten modules to choose from the possibilities are extensive. See the full range of modules on the next page.

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Build the perfect SSL.

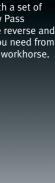**Configure your perfect X-Rack or Mynx system from the following modules:**

X-Rack Mic Amp Module

Angelically pure and versatile input section with a choice of three separate input amplifiers; Mic amp, front panel Instrument input or Line input. Designed for transparency and versatility with a set of High and Low Pass Filters, phase reverse and everything you need from a very classy workhorse.

VHD Input Module

The devilishly warm and dirty alternative to the pure Mic Amp Module. A front end that combines classic SSL character with our new Variable Harmonic Drive circuit, delivering a time machine of overdrive characteristics.

X-Rack Channel EQ Module

Classic SSL four-band parametric EQ that is a superb all round frequency adjustment tool kit. Whether you need pinpoint accuracy for surgical problem solving, smoother broader sound shaping or a little more aggressive character the SSL EQ will give you what you need. This is a fully featured EQ with high- and low-bands switchable between shelving or fixed Q bell curves and two mid-bands each with variable Q control.
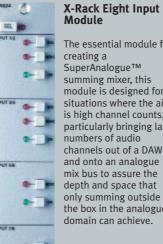
X-Rack Dynamics Module

Designed to be the perfect level control tool kit for recording, the Dynamics Module is densely packed with control features yet simple to use. The combination of separate Compressor and Gate/Expander section is powerful, graceful and ideal for gentle and unobtrusive level control.

4000 E Series EQ Module

The new 4000 E Series Modules reproduce the legendary sonic signature of an early 80's classic, the SL 4000 E console channel strip. The 4000 EQ Module features two different EQ's, found on editions of the console produced between 1979 and 1987. Each EQ has unique response curves and tonal character.

4000 E Series Dynamics Module

The 4000 E Series Dynamics Module features a compressor/limiter and an expander/gate, both of which adhere faithfully to the circuitry and key components which define the sound of the original SL 611E Series channel strip. The result is a compressor with three distinct voices, each with its own musical character.
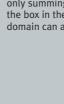
Stereo Bus Compressor Module

The centre section compressor from the 1980's G-Series analogue console is an audio production legend. It is a simple unit with a simple purpose; it makes complete mixes sound bigger, with more power, punch and drive. It brings cohesion and strength to your mix without compromising clarity. The Stereo Bus Compressor Module brings this classic 'audio glue' to you with spectacular SuperAnalogue™ audio performance.
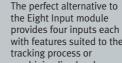
X-Rack Eight Input Module

The essential module for creating a SuperAnalogue™ summing mixer, this module is designed for situations where the aim is high channel counts, particularly bringing large numbers of audio channels out of a DAW and onto an analogue mix bus to assure the depth and space that only summing outside of the box in the analogue domain can achieve.

X-Rack Four Channel Input Module

The perfect alternative to the Eight Input module provides four inputs each with features suited to the tracking process or combining line level sources into a final mix. Each input features, Pan & Level controls, Solo, Insert connection and routing to either the Record or Main Stereo Bus.

X-Rack Master Bus Module

The vital component that turns X-Rack from a processing solution into a mixer. The Master Bus Module provides a signal path to the two X-Rack stereo buses for all of the other modules and offers the user a compact console master section that is surprisingly sophisticated for its size.

For full features and specifications for all of the modules are available online at **www.solidstatelogic.com**

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The centre of your scalable studio

X-Desk - benchmark audio quality in a compact mixer.

- SuperAnalogue™ – analogue purity at the highest level
- 8x dual input Mono Line channels : 16 channel mixdown
- 8x Insert Send/Returns on channels
- Stereo CUE and 2 Mono Auxiliary Sends
- Cascade with X-Rack and other X-Desks for bigger systems
- Talkback – for artist communication
- Dim & Cut buttons
- Independent Main and Alternate stereo monitor outputs
- SSL Stereo Mix Bus with External summing and Inserts
- 2x Stereo Returns with Level, Pan and Bus assignment
- iJack front panel input for portable playback devices
- High quality internal PSU
- D-Sub Channel I/O connection for studio integration
- 19" Rack mount ears included

Built from the same SuperAnalogue™ DNA as our AWS 900+, Duality and Matrix consoles, we are proud to deliver the X-Desk.

Meeting the demand for a world class, compact SSL mixing desk, X-Desk combines a 16 channel SSL SuperAnalogue™ summing mixer with a compact analogue audio hub for your studio. Small enough to easily transported, X-Desk fulfills all the essentials of the audio mixing process, with typical SSL attention to detail and depth, including smooth 100mm faders, comprehensive artist & studio monitoring with Dim & Cut buttons, Stereo and Mono Aux sends, channel and Master Bus Inserts and accurate bar graph level metering,

For easy integration into your existing studio, X-Desk can be used as an elegant and and ergonomically refined desktop mixer with removable rack ears for standard 19" rack mounting (7U space required). Like all SSL SuperAnalogue™ products, it is extremely robust, hand-built in the UK with an all metal chassis and high quality controls and components. Up to eight X-Desks or X-Desk & X-Rack combinations can be cascaded via D-Sub connection to expand up to 160 inputs on mixdown.

X-Desk brings benchmark audio performance to the compact mixer format.

X-Desk rear panel connections. Shown with rack ears fitted.

X-Desk. This is SSL.

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